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## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau



(43) International Publication Date 29 July 2004 (29.07.2004)

**PCT** 

## (10) International Publication Number WO 2004/063764 A1

- (51) International Patent Classification7: G01S 3/48, 3/04
- (21) International Application Number:

PCT/GB2004/000012

Fax:0117932930

- (22) International Filing Date: 7 January 2004 (07.01.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0300352.2

8 January 2003 (08.01.2003)

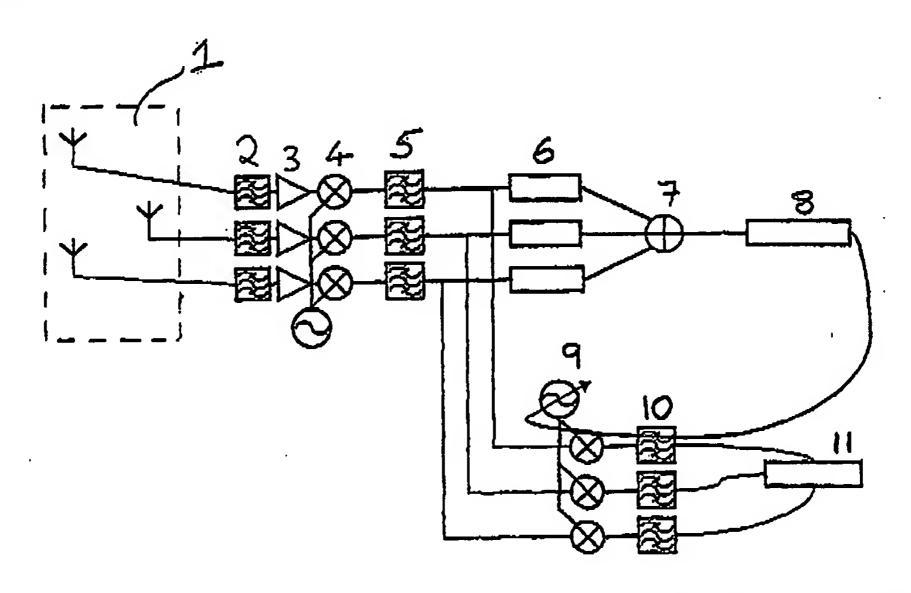
- (71) Applicant (for all designated States except US): THE SECRETARY OF STATE FOR DEFENCE [GB/GB]; DSTL, Porton Down, Salisbury, Wiltshire SP4 0JQ (GB).
- (72) Inventors; and

(75) Inventors/Applicants (for US only): PRITCHARD, John [GB/GB]; QinetiQ, St Andrews Road, Malvern, Worcestershire WR14 3PS (GB). GARDNER, Andrew, Martin [GB/GB]; DSTL, St Andrews Road, Malvern, Worcestershire WR14 3PS (GB).

- (74) Agent: BECKHAM, Robert, William; D/IPR Formalities Section, Poplar 2, MOD Abbey Wood # 2218, Bristol BS34 8JH (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AB, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EB, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR. KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM. KE, LS, MW, MZ, SD, SL. SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DB, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT. RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW. ML, MR, NE, SN, TD, TG).

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(54) Title: RADIO SIGNAL DIRECTION FINDER



(57) Abstract: A radio direction finding (RDF) receiver using an array of receiving antennas for known signals with a relatively large frequency uncertainty is described. Additional sensitivity for low signal to noise environments, compared to a conventional receiver used for direction of arrival (DOA) measurements, is obtained. This is achieved by using the outputs of all the receiving antennas combined to provide coherent signal to noise gain, but without the associated increased directivity of the larger aperture.